

## PANTOGRAPH DECODER

Connect to the Programming track before setting!

CV	Value	Default	Description
1	1 - 99	1	Short address
8	13	13	Read only
17	192-231	192	Long address high byte
18	0 - 255	100	Long address low byte
29	0-255	6	DCC 28/128 steps
33	0 - 51	1	Output active with Front light (F0)
34	0 - 51	2	Output active with Rear light (F0)
35	0 - 51	16	Output active with F1
36	0 - 51	32	Output active with F2
37	0 - 51	0	Output active with F3
38	0 - 51	0	Output active with F4
39	0 - 51	0	Output active with F5
40	0 - 51	0	Output active with F6
41	0 - 51	0	Output active with F7
42	0 - 51	0	Output active with F8
50	32 - 255	78	Spacing*
51	1 - 105	50	Range - servo 1
52	1 - 255	1	Speed - servo 1
53	1 - 105	50	Range - servo 2
54	1 - 255	1	Speed - servo 2

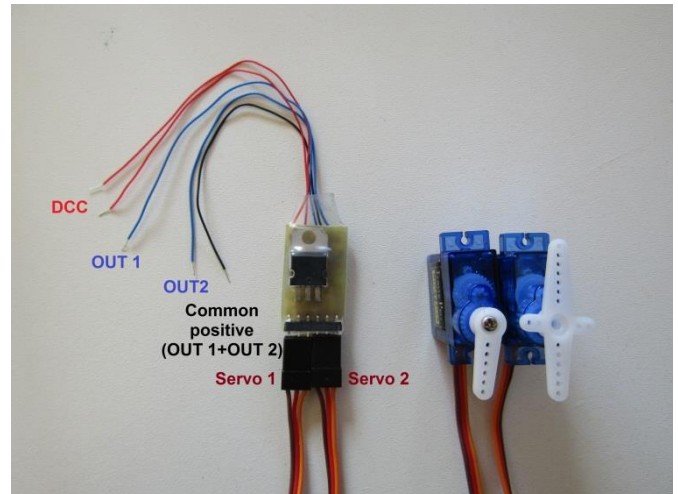
\* Spacing =(in 256us). Normally 20ms (50Hz) but depending on the servo can be varied between 40 Hz and 70 Hz, influences the movement speed of the servo

Output current: 100 mA/output

Connect module to the Programming Track to change CV values along with lights and servos.

Be in mind the servo terminal orientation.

I do not recommend a higher power supply than 16-17V!



CV33-42 setting	
Value	Description
1	output 1
2	output 2
16	output 3 (servo 1)
32	output 4 (servo 2)